

Appl. No. 09/976,199

Attorney Docket: 042390.P9821

LISTING OF THE CLAIMS:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1: (Currently Amended) A method for at least partially compensating luminance of an emissive
2 display comprising:

3 having a desired luminance, as a function of time, for one or more organic light
4 emitting diodes (OLEDs) included in said emissive display;
5 estimating the amount of degradation of the OLEDs-one or more organic light emitting
6 diodes (OLEDs) included in said emissive display; and
7 adjusting the luminance of said one or more OLEDs based, at least in part, upon
8 said estimate;
9 wherein adjusting comprises adjusting the luminance so that said luminance
10 remains substantially constant substantially independent of the amount of degradation of
11 said one or more OLEDs
12 utilizing, at least in part, the estimated amount of degradation, attempting to adjust
13 (adjusting) the luminance of the OLEDs to the desired luminance.

2: (Cancelled)

1 3: (Previously Presented) The method of claim 1, wherein estimating includes estimating a
2 characteristic substantially correlated with said degradation.

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1 4: (Original) The method of claim 3, wherein said estimating includes measuring the voltage
2 across said one or more OLEDs at a substantially constant current flow through said one or more
3 OLEDs.

1 5: (Previously Presented) The method of claim 1, wherein measuring said voltage across said
2 one or more organic light emitting diodes (OLEDs) includes measuring the reverse bias
3 resistance of said one or more OLEDs.

1 6: (Previously Presented) The method of claim 1, wherein adjusting includes adjusting the
2 amount of electrical energy applied to said one or more organic light emitting diodes (OLEDs).

1 7: (Original) The method of claim 6, wherein adjusting includes increasing the voltage applied
2 across said one or more OLEDs.

1 8: (Original) The method of claim 7, wherein increasing includes utilization of a lookup table.

1 9: (Original) The method of claim 8, wherein said lookup table includes values such that the
2 luminance of said one or more organic light emitting diodes (OLEDs) achieved by the
3 adjustment essentially decreases over time.

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1 10: (Previously Presented) The method of claim 1, wherein said method further comprises
2 adjusting the luminance of said one or more organic light emitting diodes (OLEDs) based, at
3 least in part, upon estimating the amount of degradation of one or more other organic light
4 emitting diodes (OLEDs).

1 11: (Currently Amended) An apparatus comprising:
2 one or more organic light emitting diodes (OLEDs);
3 a measurement circuit capable of estimating the amount of degradation of the
4 OLEDs; and
5 a control system having a having a desired luminance, as a function of time, for the
6 OLEDs;

7 wherein ~~said OLEDs, said measurement circuit and said control system are coupled~~
8 ~~so that, during operation, said measurement circuit, estimates the amount of degradation~~
9 ~~of said one or more OLEDs and said control system adjusts the luminance of said OLEDs,~~
10 ~~based at least in part upon said estimated degradation; and~~
11 —— ~~wherein said control system is capable of adjusting the luminance so that said~~
12 ~~luminance remains substantially constant substantially independent of the amount of~~
13 ~~degradation of said one or more OLEDs~~ the control system is capable of, utilizing at least
14 in part the estimated amount of degradation, attempting to adjust (adjusting) the
15 luminance of the OLEDs to the desired luminance.

12: (Cancelled).

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1 13: (Previously Presented) The apparatus of claim 11, wherein the estimation of the amount of
2 degradation, made by said measurement circuit, includes an estimation of a characteristic
3 substantially correlated with said degradation.

1 14: (Original) The apparatus of claim 13, wherein said measurement circuit is capable of
2 measuring the reverse bias resistance of said one or more organic light emitting diodes (OLEDs)
3 operating at a substantially constant current.

1 15: (Previously Presented) The apparatus of claim 11, wherein said control system is capable of
2 adjusting said luminance of said one or more organic light emitting diodes (OLEDs) by adjusting
3 the substantially instantaneous current through said OLEDs.

1 16: (Previously Presented) The apparatus of claim 11, wherein said control system comprises a
2 series of data that correlates a desired luminance with the estimated degradation of said one or
3 more OLEDs.

1 17: (Original) The apparatus of claim 16, wherein said control system utilizes said series of data
2 to adjust the luminance of said one or more OLEDs.

1 18: (Original) The apparatus of claim 17, wherein said control system comprises a series of data
2 that correlates a desired luminance with the estimated degradation of said one or more OLEDs

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3 such that said desired luminance decreases as said estimated degradation of said one or more
4 OLEDs increases.

1 19: (Previously Presented) The apparatus of claim 11, wherein said control system includes a
2 storage medium having a plurality of machine accessible instructions, wherein, when said
3 instructions are executed by said control system, the instructions provide for
4 utilizing a signal from said measuring circuit;
5 estimating a desired luminance for said OLEDs; and
6 adjusting the current applied to said OLEDs based at least in part upon said signal.

Claims 20 – 29: (Cancelled).